

P21676.A03



#4/ Rec B
2/27/02
REC. mckinn
FEB 12 2002
TC 3900 MAIL ROOM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Sung MOON et al.

Group Art Unit: 2878

Appln. No. : 09/986,507

Examiner: Unknown

Filed : November 9, 2001

For : THREE DIMENSIONAL CONICAL HORN ANTENNA COUPLED
IMAGE DETECTOR AND THE MANUFACTURING METHOD
THEREOF

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents
Washington, DC 20231

Sir :

Prior to an examination of the above-captioned application, the Examiner is respectfully requested to amend the claims, as follows:

IN THE CLAIMS

Please amend claims 1, 2 and 5-8 as follows (a marked-up copy of the claims is attached hereto):

B 1. (Clean Copy) A three dimensional conical horn antenna coupled image detector comprising:

a plurality of supports for supporting a horn antenna structure on the upper section of a substrate;

a horn antenna waveguide formed at the center of said horn antenna structure;

an image detector at the lower section of said horn antenna wave guide;